What is claimed is:

1. An electrophotographic photoconductor, comprising:

a conductive support; and

a photosensitive layer disposed above the conductive support,

wherein the electrophotographic photoconductor, in an outermost surface layer of the electrophotographic photoconductor, comprises:

a filler,

an organic compound having an acid value of 10mgKOH/g to 400mgKOH/g, and

at least one of compounds represented by the following general formulas 1 and 2:

$$\begin{pmatrix}
R^{3} \\
k \end{pmatrix}_{k}
\begin{pmatrix}
R^{4} \\
l
\end{pmatrix}_{l}
\begin{pmatrix}
R^{5} \\
k \end{pmatrix}_{m}
\begin{pmatrix}
R^{1} \\
CH_{2} \\
l
\end{pmatrix}_{n}
\begin{pmatrix}
R^{1} \\
R^{2}
\end{pmatrix}$$

General Formula 1

$$\begin{pmatrix}
R^{3} \\
k \end{pmatrix}_{k}
\begin{pmatrix}
R^{4} \\
l
\end{pmatrix}_{l}
\begin{pmatrix}
R^{5} \\
l
\end{pmatrix}_{m}
\begin{pmatrix}
R^{1} \\
CH_{2} \\
l
\end{pmatrix}_{n}
\begin{pmatrix}
R^{1} \\
R^{2}
\end{pmatrix}$$

General Formula 2

where R^1 , R^2 are substituted or unsubstituted alkyl groups or aromatic hydrocarbon rings, may be identical or

different, and R¹, R² may also be bonded together to form a substituted or unsubstituted heterocycle containing a nitrogen atom; R³, R⁴, R⁵ are substituted or unsubstituted alkyl or alkoxy groups, or halogen atoms; Ar is a substituted or unsubstituted aromatic hydrocarbon ring or aromatic heterocycle; n is an integer in the range 2 to 4; k, l, m are respectively integers in the range 0 to 3; and X is, in the general formula 1, an oxygen atom, or a sulfur atom.

- 2. An electrophotographic photoconductor according to Claim 1, wherein the organic compound having an acid value of 10mgKOH/g to 400mgKOH/g, is a polycarboxylic acid.
- 3. An electrophotographic photoconductor according to Claim 1, wherein the organic compound having an acid value of 10mgKOH/g to 400mgKOH/g, is one of a polyester resin, acrylic resin, a copolymer comprising these structures, and a mixture thereof.
- 4. An electrophotographic photoconductor according to Claim 1, wherein at least one of organic fatty acids is mixed with the organic compound having an acid value of 10mgKOH/g to 400mgKOH/g.

- 5. An electrophotographic photoconductor according to Claim 1, wherein the filler is at least one of inorganic materials.
- 6. An electrophotographic photoconductor according to Claim 5, wherein the inorganic material is a metal oxide.
- 7. An electrophotographic photoconductor according to Claim 5, wherein the pH of the inorganic material is 5 or more.
- 8. An electrophotographic photoconductor according to Claim 5, wherein the dielectric constant of the inorganic material is 5 or more.
- 9. An electrophotographic photoconductor according to Claim 1, wherein the average first -order particle diameter of the filler is 0.01µm to 0.5µm.
- 10. An electrophotographic photoconductor according to Claim 1, wherein the outermost surface layer is a photosensitive layer.
- 11. An electrophotographic photoconductor according to Claim 10, wherein the photosensitive layer

comprises a charge generating layer containing a charge generating material and a charge transport layer containing a charge transport material, the outermost surface layer being the charge transport layer.

- 12. An electrophotographic photoconductor according to Claim 11, wherein the charge transport material is a polymer charge transport material.
- 13. An electrophotographic photoconductor according to Claim 1, wherein the electrophotographic photoconductor comprises a protective layer, the protective layer being the outermost surface layer.
- 14. An electrophotographic photoconductor according to Claim 13, wherein the protective layer contains at least one of charge transport materials.
- 15. An electrophotographic photoconductor according to Claim 14, wherein the charge transport material is a polymer charge transport material.
- 16. An electrophotographic photoconductor according to Claim 1, wherein the outermost surface layer of the photoconductor contains at least one of a

polycarbonate resin and a polyarylate resin as a binder resin.

17. An electrophotographic photoconductor according to Claim 1, wherein the outermost surface layer is formed by coating an outermost surface layer coating solution containing:

a filler;

an organic compound having an acid value of 10 mgKOH/g to 400mgKOH/g;

at least one of compounds represented by the above general formulas 1 and 2; and

an antioxidant.

- 18. The electrophotographic photoconductor according to Claim 17, wherein the antioxidant is one of a hydroquinone compound and a hindered amine compound.
- 19. An electrophotographic photoconductor outermost surface layer coating solution, comprising:

a filler;

an organic compound having an acid value of 10mgKOH/g to 400mgKOH/g;

at least one of compounds represented by the

following general formulas 1 and 2:

$$\left(\begin{array}{c} \mathbb{R}^{3} \\ \downarrow \\ \mathbb{R}^{1} \end{array}\right)_{k} \left(\begin{array}{c} \mathbb{R}^{4} \\ \downarrow \\ \mathbb{R}^{1} \end{array}\right)_{l} \left(\begin{array}{c} \mathbb{R}^{5} \\ \mathbb{R}^{5} \end{array}\right)_{m}$$

$$\times \left(\begin{array}{c} \mathbb{R}^{1} \\ \mathbb{R}^{1} \end{array}\right)_{n} \left(\begin{array}{c} \mathbb{R}^{1} \\ \mathbb{R}^{2} \end{array}\right)_{n} \left(\begin{array}{c} \mathbb{R}^{2} \\ \mathbb{R}^{2} \end{array}\right)_{n}$$

General Formula 1

$$\begin{pmatrix}
R^{3} \\
k \end{pmatrix}_{k} \begin{pmatrix}
R^{4} \\
1 \\
K \end{pmatrix}_{l} \begin{pmatrix}
R^{5} \\
K \\
K \end{pmatrix}_{m} \begin{pmatrix}
R^{1} \\
K \\
K \end{pmatrix}_{l}$$

$$\begin{pmatrix}
CH_{2} \\
n \\
K \\
R^{2}
\end{pmatrix}$$

General Formula 2

where R¹, R² are substituted or unsubstituted alkyl groups or aromatic hydrocarbon rings, may be identical or different, and R¹, R² may also be bonded together to form a substituted or unsubstituted heterocycle containing a nitrogen atom; R³, R⁴, R⁵ are substituted or unsubstituted alkyl or alkoxy groups, or halogen atoms; Ar is a substituted or unsubstituted aromatic hydrocarbon ring or aromatic heterocycle; n is an integer in the range 2 to 4; k, l, m are respectively integers in the range 0 to 3; and X is, in the general formula 1, an oxygen atom, or a sulfur atom; and

an antioxidant.

20. An electrophotographic photoconductor outermost surface layer coating solution according to

Claim 19, wherein the antioxidant is one of a hydroquinone compound and a hindered amine compound.

21. An electrophotographic method, comprising the steps of:

charging an electrophotographic photoconductor;

exposing the charged photoconductor with an imagewise light so as to form an latent electrostatic image thereon;

supplying a developer to the formed latent electrostatic image so that a toner image is formed, thereby visualizing the latent electrostatic image; and

transferring the toner image formed by the developing step to a transfer material,

wherein the electrophotographic photoconductor, in an outermost surface layer of the electrophotographic photoconductor, comprises:

a filler,

an organic compound having an acid value of 10mgKOH/g to 400mgKOH/g, and

at least one of compounds represented by the following general formulas 1 and 2:

$$\begin{pmatrix}
R^{3} \\
k \end{pmatrix}_{k}
\begin{pmatrix}
R^{4} \\
l \\
k \end{pmatrix}_{l}
\begin{pmatrix}
R^{5} \\
k \end{pmatrix}_{m}
\begin{pmatrix}
R^{1} \\
CH_{2} \\
k \end{pmatrix}_{n}
\begin{pmatrix}
R^{1} \\
R^{2} \\
R^{2}
\end{pmatrix}$$

General Formula 1

$$\left(\begin{array}{c} \mathbb{R}^{3} \\ \mathbb{R}^{4} \end{array}\right)_{l} \left(\begin{array}{c} \mathbb{R}^{5} \\ \mathbb{R}^{1} \end{array}\right)_{m}$$

$$\left(\begin{array}{c} \mathbb{R}^{1} \\ \mathbb{R}^{2} \end{array}\right)_{l} \left(\begin{array}{c} \mathbb{R}^{1} \\ \mathbb{R}^{2} \end{array}\right)_{l}$$

$$\left(\begin{array}{c} \mathbb{R}^{1} \\ \mathbb{R}^{2} \end{array}\right)_{l} \left(\begin{array}{c} \mathbb{R}^{1} \\ \mathbb{R}^{2} \end{array}\right)_{l}$$

$$\left(\begin{array}{c} \mathbb{R}^{1} \\ \mathbb{R}^{2} \end{array}\right)_{l} \left(\begin{array}{c} \mathbb{R}^{1} \\ \mathbb{R}^{2} \end{array}\right)_{l}$$

$$\left(\begin{array}{c} \mathbb{R}^{1} \\ \mathbb{R}^{2} \end{array}\right)_{l} \left(\begin{array}{c} \mathbb{R}^{2} \\ \mathbb{R}^{2} \end{array}\right)_{$$

where R¹, R² are substituted or unsubstituted alkyl groups or aromatic hydrocarbon rings, may be identical or different, and R¹, R² may also be bonded together to form a substituted or unsubstituted heterocycle containing a nitrogen atom; R³, R⁴, R⁵ are substituted or unsubstituted alkyl or alkoxy groups, or halogen atoms; Ar is a substituted or unsubstituted aromatic hydrocarbon ring or aromatic heterocycle; n is an integer in the range 2 to 4; k, l, m are respectively integers in the range 0 to 3; and X is, in the general formula 1, an oxygen atom, or a sulfur atom.

22. An electrophotographic method according to Claim 21, wherein the exposure step employs a "digital method" where the latent electrostatic image is written on the electrophotographic photoconductor by a LD or LED.

23. An electrophotographic apparatus, comprising:

an electrophotographic photoconductor;

a charger configured to uniformly charge a
surface of the electrophotographic photoconductor;

an exposure unit configured to expose the charged photoconductor by the charger with an imagewise light so as to form an latent electrostatic image on the photoconductor;

a developing unit configured to supply a developer to the latent electrostatic image so that a toner image is formed, thereby visualizing the latent electrostatic image; and

a transfer unit configured to transfer the formed toner image by the developing unit to a transfer material,

wherein the electrophotographic photoconductor, in an outermost surface layer of the electrophotographic photoconductor, comprises:

a filler,

an organic compound having an acid value of 10mgKOH/g to 400mgKOH/g, and

at least one of compounds represented by the following general formulas 1 and 2:

$$\begin{pmatrix}
R^{3} \\
k \end{pmatrix}_{k} \qquad \begin{pmatrix}
R^{4} \\
k \end{pmatrix}_{l} \qquad \begin{pmatrix}
R^{5} \\
k \end{pmatrix}_{m} \qquad \begin{pmatrix}
R^{1} \\
k \end{pmatrix}_{l} \qquad \begin{pmatrix}
R$$

General Formula 1

$$\left(\begin{array}{c} \mathbb{R}^{3} \\ \mathbb{R}^{4} \end{array}\right)_{l} \left(\begin{array}{c} \mathbb{R}^{5} \\ \mathbb{R}^{1} \end{array}\right)_{m} \mathbb{R}^{1}$$

$$\left(\begin{array}{c} \mathbb{R}^{4} \\ \mathbb{R}^{2} \end{array}\right)_{n} \mathbb{R}^{2}$$
General Formula 2

where, in the general formulas 1 and 2, R¹, R² are substituted or unsubstituted alkyl groups or aromatic hydrocarbon rings, may be identical or different, and R¹, R² may also be bonded together to form a substituted or unsubstituted heterocycle containing a nitrogen atom; R³, R⁴, R⁵ are substituted or unsubstituted alkyl or alkoxy groups, or halogen atoms; Ar is a substituted or unsubstituted aromatic hydrocarbon ring or aromatic heterocycle; n is an integer in the range 2 to 4, and k, l, m are respectively integers in the range 0 to 3; and X is, in the general formula 1, an oxygen atom, or a sulfur atom.

24. An electrophotographic apparatus according to Claim 23, wherein the exposure unit employs a "digital method" where the latent electrostatic image is written on the electrophotographic photoconductor by a LD or LED.

25. An electrophotographic process cartridge, comprising:

an electrophotographic photoconductor; and at least one of

a charger configured to uniformly charge a surface of the electrophotographic photoconductor,

a cleaning unit configured to clean the surface of the electrophotographic photoconductor, and

a developing unit configured to supply a developer to a latent electrostatic image formed on the electrophotographic photoconductor so that a toner image is formed, thereby visualizing the latent electrostatic image,

wherein the electrophotographic process cartridge is formed in a one-piece construction such that the electrophotographic process cartridge is freely replaceable from an electrophotographic apparatus, and wherein the electrophotographic photoconductor, in an outermost surface layer of the electrophotographic photoconductor, contains:

a filler,

an organic compound having an acid value of 10mgKOH/g to 400mgKOH/g, and

at least one of compounds represented by the

following general formulas 1 and 2:

$$\begin{pmatrix}
\mathbb{R}^{3} \\
\mathbb{R}^{4}
\end{pmatrix}_{l} \begin{pmatrix}
\mathbb{R}^{4} \\
\mathbb{R}^{5}
\end{pmatrix}_{m}$$

$$\mathbb{R}^{1}$$
Ar
$$\mathbb{R}^{2}$$
Genera

General Formula 1

$$\left(\begin{array}{c} \mathbb{R}^{3} \right)_{k} \left(\begin{array}{c} \mathbb{R}^{4} \end{array} \right)_{l} \left(\begin{array}{c} \mathbb{R}^{5} \end{array} \right)_{m} \left(\begin{array}{c} \mathbb{R}^{1} \end{array} \right)_{l} \left(\begin{array}{c} \mathbb{R}^{1}$$

General Formula 2

where R¹, R² are substituted or unsubstituted alkyl groups or aromatic hydrocarbon rings, may be identical or different, and R¹, R² may also be bonded together to form a substituted or unsubstituted heterocycle containing a nitrogen atom; R³, R⁴, R⁵ are substituted or unsubstituted alkyl or alkoxy groups, or halogen atoms; Ar is a substituted or unsubstituted aromatic hydrocarbon ring or aromatic heterocycle; n is an integer in the range 2 to 4; k, l, m are respectively integers in the range 0 to 3; and X is, in the general formula 1, an oxygen atom, or a sulfur atom.